

Railroad Data

Iowa DOT Office of Systems Planning

MPO/RPA Quarterly Meeting

March 17, 2015



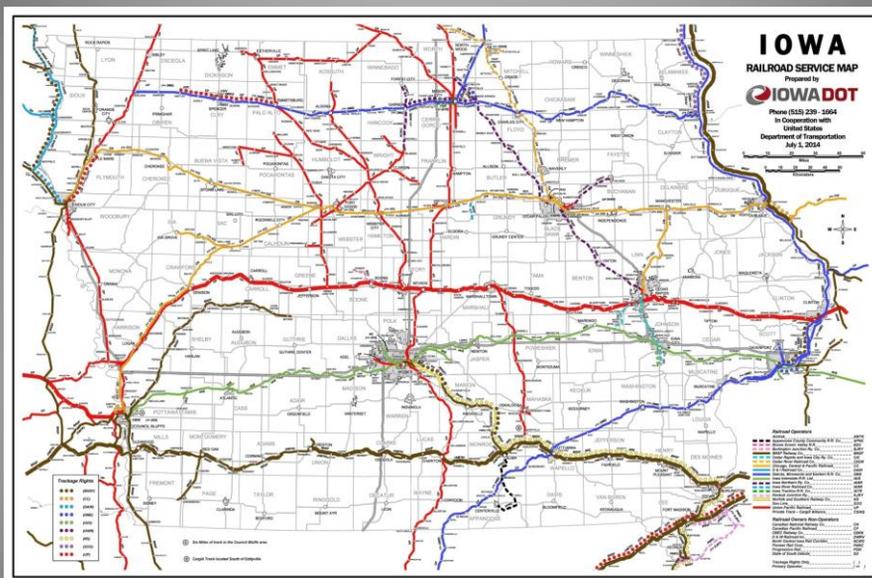
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Outline

- Railroads in Iowa
- Railroad Annual Reports
- Other railroad data available
- Iowa DOT uses
- Questions

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Railroad Companies in Iowa			Total Miles Owned/Leased	Percent Of Total	Miles Operated Under Trackage Rights	
Class I	BNSF	BNSF Railway	631	16.49	42	
	CC	Chicago Central & Pacific Railroad*	522	13.64	0	
	CEDR	Cedar River Railroad*	83	2.17	0	
	DME	Dakota, Minnesota and Eastern Railroad**	654	17.09	2	
	NS	Norfolk Southern Railway	7	0.18	37	
	UP	Union Pacific Railroad	1,291	33.73	95	
	Subtotal		3,188	83.30	176	
Class II	IAIS	Iowa Interstate Railroad	305	7.97	27	
	Subtotal		305	7.97	27	
Class III	APNC	Appanoose County Community Railroad	35	0.91	0	
	BSV	Boone & Scenic Valley Railroad	2	0.05	0	
	BJRY	Burlington Junction Railway	5	0.13	0	
	CBEC	CBEC Railway	6	0.16	0	
	CIC	Cedar Rapids & Iowa City Railway	60	1.57	23	
	DAIR	D & I Railroad	0	0.00	39	
	DWRV	D & W Railroad	19	0.50	6	
	IANR	Iowa Northern Railroad	145	3.79	35	
	IARR	Iowa River Railroad	9	0.24	0	
	IATR	Iowa Traction Railway	13	0.34	0	
	KJRY	Keokuk Junction Railway	1	0.03	0	
		Subtotal		295	7.71	103
	Other		State of South Dakota	39	1.02	0
		Total		3,825	100.00	306



Railroad Annual Reports

- Iowa Code
 - Chapter 800 ITEMS OF GENERAL APPLICATION TO RAILROADS
 - 761-800.4(327C) Annual Reports

800.4(1) A railroad company submitting an annual report to the Surface Transportation Board under 49 CFR Part 1241 shall submit a copy of this report to the department no later than March 31 following the close of the calendar year. Included with this report shall be a "State Statistics" report which shall include the following: annual data on additions and deletions of mileage within the state; mileage operated within the state at the end of the year; railway operating revenues earned within the state; statistics on rail line operations within the state including locomotive unit-miles, car-miles and ton-miles; revenue freight carried within the state by commodity class; and a freight density map showing gross ton-miles for the railroad company's system within the state.

800.4(2) A railroad company not required to submit an annual report to the Surface Transportation Board under 49 CFR Part 1241 shall submit an annual report to the department on Form 010030 no later than March 31 following the close of the calendar year.

This rule is intended to implement Iowa Code sections 327C.28, 327C.38, 327C.41 and 327C.43.

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Form 010030

- Instructions sent February 1st
- Due March 31st
- Online tool

Annual Report For Class II and III Railroads



Annual Report of: _____

Doing business as: _____

Year ended December 31, 2009

 Iowa Department
of Transportation

Form 010030
March 2012

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Schedules

Schedule Name	Schedule No.	Page No.
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Schedule 400 Allocation Statistics

Schedule 400 Allocation Statistics			
Line No.	Operating Factors	System	State of Iowa
I. Mileage Operated			
1.	Total Route Miles Operated Dec. 31	202	202
2.	Average Route Miles Operated During Year Ended Dec. 31	202	202
3.	Total Mileage of All Tracks Operated Dec. 31 <i>(Lower Portion is from Total Column Schedule 510)</i>	253	253
4.	Percent of All Track Miles in Iowa		100%
II. Car Mileage Plus Locomotive Mileage			
5.	Loaded Freight Car Miles	1,967,174	1,967,174
6.	Empty Freight Car Miles	2,716,959	2,716,959
7.	Locomotive Unit-Miles	365,094	365,094
8.	Grand Total Freight Car and Locomotive Miles <i>(Total of Lines 5, 6, and 7)</i>	5,049,227	5,049,227
9.	Percent in State of Iowa		100%
III. Revenue Traffic Units			
10.	Ton Miles Revenue Freight ¹	196,090,454	196,090,454
11.	Revenue Passenger Miles ²	0	0
12.	Total Revenue Traffic Units <i>(Total of Line 10 and 11)</i>	196,090,454	196,090,454
13.	Percent in State of Iowa		100%
IV. Gross Operating Revenues <i>(System portion is from Schedule 210, Line 10)</i>			
14.		\$25,506,656.00	\$25,506,656.00
15.	Percent in State of Iowa		100%
V. Gallons of Fuel Consumed in Train Operations			
16.		715,162	
VI. Number of Employees			
17.	Total Number of Employees	101	
18.	Estimated Working in Iowa		101

Schedule 510 Operating Trackage - Iowa

Schedule 510 Operating Trackage - Iowa						
Line No	Name of Railroad and Whether Trackage Owned, Leased, Contract, Trackage Rights, Etc. ¹	County ²	Mileage ³			
			Main	Second Main	All Other	Total
1	Owned	Worth	3.09		17.66	20.75
2	Owned	Cerro Gordo	10.59		2.04	12.63
3	Owned	Floyd	20.29		3.02	23.31
4	Owned	Butler	21.36		10.81	32.17
5	Owned	Bremer	3.82		0	3.82
6	Owned	Black Hawk	25.6		8.12	33.72
7	CN Trackage Rights	Black Hawk	8.72		0	8.72
8	UP Trackage Rights	Black Hawk	1.2		0	1.2
9	Owned	Benton	23.6		2.4	26
10	Owned	Linn	8.35		2.87	11.22
11	UP Trackage Rights	Linn	18.9		0	18.9
12	UP Trackage Rights	Black Hawk	6		0	6
13	Operated by IANR Under Service Agreement	Black Hawk	10.8		1.47	12.27
14	Operated by IANR Under Service Agreement	Buchanan	2.7		1.95	4.65
15	Operated by IANR Under Service Agreement	Fayette	9		0.9	9.9
16	Operated by IANR Under Service Agreement	Wright	3.02		0	3.02
17	Operated by IANR Under Service Agreement	Hancock	24.69		0.15	24.84
18	Operated by IANR Under Service Agreement	Winnebago	0.23		0	0.23
19		Totals	201.96		51.39	253.35

¹ You are to list all railroad companies included in your annual report to the Department of Revenue and Finance. This shall include all railroads purchased, merged, or added and are currently a part of the respondent's railroad operating property.

² List of counties found on page 32.

³ Separately report the mileage of all track owned from that which is operated under lease, contract, trackage rights, etc.

Add Row

Schedule 520 Recapitulation of Main Track Miles by County

Schedule 520 Recapitulation of Main Track Miles By County			
This recap of sheet of main track miles must contain only main track miles OWNED and LEASED. The mileage figures shall not include main track operated under trackage rights or interstate bridges.			
Line No	County	County Number ¹	Total Miles of Track
			Main Track
1	Worth	98	3.09
2	Cerro Gordo	17	10.59
3	Floyd	34	20.29
4	Butler	12	21.36
5	Bremer	9	3.82
6	Black Hawk	7	25.6
7	Benton	6	23.6
8	Linn	57	8.35
9	Wright	99	3.02
10	Hancock	41	24.69
11	Winnebago	95	0.23
12		Total	144.64

¹ List of counties found on page 32.

Add Row

Schedule 600

Freight Density

**Schedule 600
Freight Density**

Carriers will provide data on freight density in the form of an annual map or the table provided. Density is defined as gross ton-miles carried per mile of route.
Note: Each line below show represent an individual segment of track between major stations and branchlines.

Line No.	Segment Origin		Segment Destination		Length (E) Miles	Gross Ton-Miles (F) Weight Carried' X Length (Column E)	
	(A) From Station	(B) M.P.	(C) To Station	(D) M.P.			
1	Manly	224.9	Nora Springs	211.7	13.7	13,358,716	X
2	Belmond	48.2	Forest City	75.1	26.9	609,610	X
3	Nora Springs	211.2	Waterloo	150.25	60.95	130,438,629	X
4	Dewar	332	Oelwein	351.2	19.21	11,130,776	X
5	Waterloo	150.25	Cedar Rapids	100.1	50.15	147,667,091	X
6.	System Totals				170.91	303,204,822	

¹ Weight carried on the line is defined as total gross tons of all freight hauled plus the weight of all freight-train cars, locomotives, and cabooses.

Add Row

Schedule 700 A

Freight Commodity Statistics

**Schedule 700A
Freight Commodity Statistics - Line Haul Operations**

Line No.	Commodity Description	STCC Code	Column A - All Traffic Originating On Your Line			
			In Iowa		Total System	
			Carloads	Tons	Carloads	Tons
1.	Farm Products	01	8,543	854,300	8,543	854,300
2.	Forest Products	08				
3.	Fresh Fish	09				
4.	Metallic Ores	10				
5.	Coal	11				
6.	Crude Petro	13				
7.	Nonmetallic Metals	14				
8.	Ordnance	19				
9.	Food & Kindred	20	1,685	168,500	1,685	168,500
10.	Tobacco	21				
11.	Textile Mill	22				
12.	Apparel	23				
13.	Lumber	24				
14.	Furniture	25				
15.	Pulp & Paper	26				
16.	Printed Matter	27				
17.	Chemicals	28	48	4,800	48	4,800
18.	Petroleum	29				
19.	Rubber	30				
20.	Leather	31				
21.	Stone	32	253	25,300	253	25,300
22.	Primary Metal	33				
23.	Fabric Metal	34				
24.	Machinery	35				
25.	Electric Machinery	36				
26.	Trans. Equipment	37	41	4,100	41	4,100
27.	Optic Goods	38				
28.	Misc. Products	39				
29.	Waste & Scrap	40	1	100	1	100
30.	Misc. Freight	41				
31.	Empty Containers	42				
32.	U.S. Mail	43				
33.	Freight Forward	44				
34.	Shipper Assoc.	45				
35.	Misc. Mixed	46				
36.	Hazardous Materials	49	7,582	758,200	7,582	758,200
37.	Total Carload		18,153	1,815,300	18,153	1,815,300
38.	Small Freight	47				
39.	Total CL & LCL		18,153	1,815,300	18,153	1,815,300

Other data

- Rail line work
- Rail facility information
 - Grain elevators
 - Ethanol/biodiesel plants
 - Coal-burning power plants
 - Intermodal container facility
- Freight facility information
 - Public warehousing
 - Barge terminals
- Other
 - Bottleneck locations
- Future
 - Transload locations
- iTRAM

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iTRAM Statewide Model

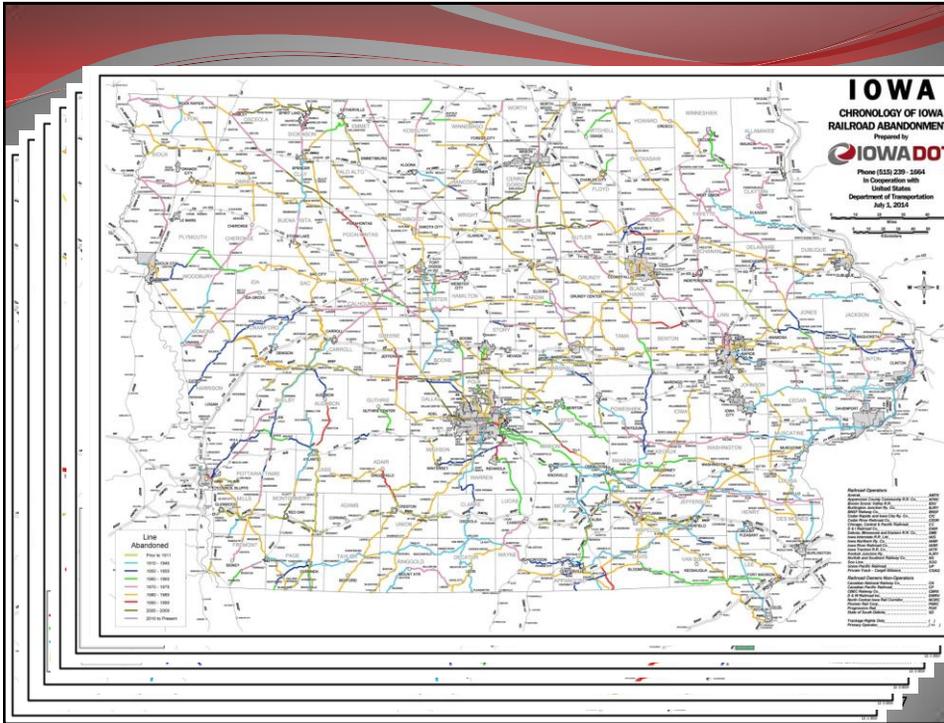
- Update of original model
- Passenger/freight rail model
- Commodity freight flow model
- Data is disaggregated to TAZ level
- More to come

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DOT uses of the railroad data

- Databases
- Annual railroad map updates
 - Base
 - Service
 - Passenger service
 - Density
 - Biodiesel and ethanol facilities
 - Grain facilities
 - Chronology of abandonments
- Annual railroad trends document

Iowa Railroad		Total Miles Owned or Leased as of December 31											Total TONNAGE ORIGINATING	
Railroad Companies		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013			
Class I													Total TONNAGE ORIGINATING	
Chicago & North Western														
Burlington Northern														
Burlington Northern Santa Fe		637	637	635	635	636	635	635	635	631	631			
Cedar River Railroad										83	83			
Chicago Central										522	522			
Dakota, Minnesota & Eastern										654	654	57	6,329,500	
Norfolk Southern		7	7	7	7	7	7	7	7	7	7	0	0	
Illinois Central Gulf												0	0	
Soo Line/CP Rail System												0	0	
Santa Fe												0	0	
Union Pacific		1,400	1,385	1,351	1,344	1,341	1,341	1,332	1,305	1,296	1,291	0	33,592	
Subtotal		2,044	2,029	1,993	1,986	1,984	1,983	1,974	1,947	3,193	3,188	14	1,428,714	
Class II													Total TONNAGE ORIGINATING	
Chicago Central		558	558	541	538	538	538	522	522			25	1,778	
Dakota, Minnesota & Eastern		0	0	0	0	0	650	654	654			22	21,921,912	
Iowa Interstate		335	335	335	334	334	334	334	334	322	305	305	1	6
I & M Rail Link												1	6	
Iowa Chicago & Eastern		651	651	651	651	651	0	0	0	0	0	58	14,316	
Subtotal		1,544	1,544	1,527	1,523	1,523	1,522	1,510	1,498	305	305	13	104	
Class III													Total TONNAGE ORIGINATING	
American Short Lines												19	174,481	
Appanoose County		35	35	35	35	35	35	35	35	35	35	5	8,289	
Boone & Scenic Valley Railroad		2	2	2	2	2	2	2	2	2	2	32	9,500,231	
Burlington Jct		4	4	4	5	5	5	5	5	5	5	19	200,960	
CCEC Railway		6	6	6	6	6	6	6	6	6	6	95	1,036	
Cedar Rapids & Iowa City		60	60	60	60	60	60	60	60	60	60	2	12	
Cedar River/Cedar Valley		83	83	83	83	83	83	83	83	83	83	62	696,962	
Charles City Railway												15	973,965	
Colorado & Eastern Railroad												12	368	
Council Bluffs Railway		0	0	0	0	0	0	0	0	0	0	15	93,633	
D & I		0	0	0	0	0	0	0	0	0	0	0	5	597
Davenport, Rock Island & Northwestern		18	18	19	19	19	19	19	19	19	19	19	1	123,249
Des Moines Union												0	0	
Hubbell Terminal Corp												5	69	
Iowa Northern		137	134	134	134	134	134	115	142	145	145	9	8,158	
Iowa Northwestern		37	37	37	20							0	0	
Iowa Railroad												0	0	
Iowa River				43	43	43	43	43	43	9	9	0	0	
Iowa Southern												0	0	
Iowa Traction		13	13	13	13	13	13	13	13	13	11	4	353,383	
Iowa Transfer												0	0	
Keokuk Jct		1	1	1	1	1	1	1	1	1	1	1	1	
KeiWash Railroad												-3	5,627,288	
Ottumwa Terminal												0	269	
Track Tech												0	48,769,008	
Subtotal		396	393	437	421	401	401	382	409	295	293	0	48,769,008	
State of South Dakota		39	39	39	39	39	39	39	39	39	39			
Total		4,023	4,005	3,996	3,969	3,947	3,945	3,905	3,893	3,832	3,825	16	15,096,175	



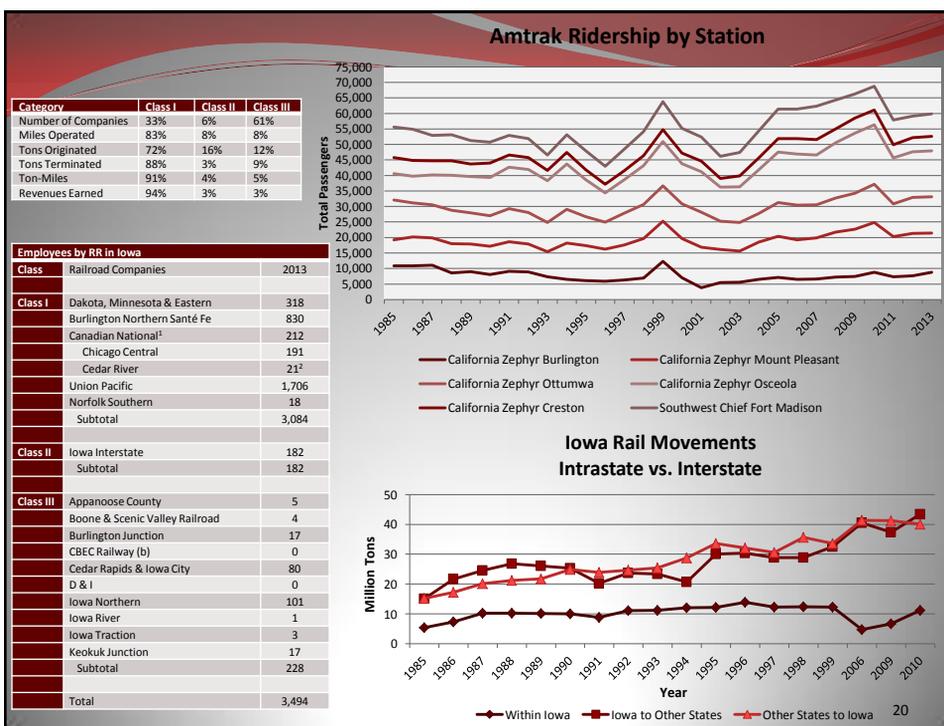
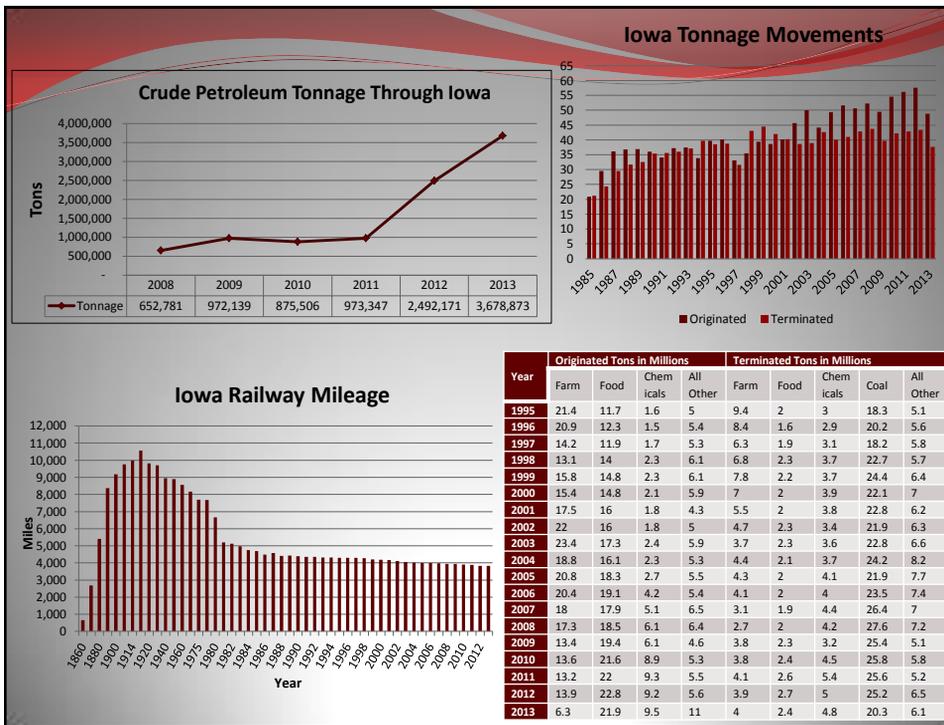


2013 Iowa Rail Trends

Office of Systems Planning
December 2014

This document is meant to serve as an overview of current railroad trends in Iowa. The source of the information included within has been compiled from Railroad Annual Reports, the Federal Railroad Association, Iowa AMTRAK, and the American Association of Railroads.

<http://www.iowadot.gov/iowarail/railroads/industry/industry.htm>



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